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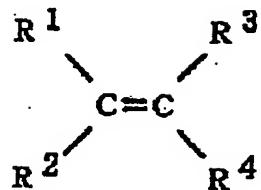
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TITLE : BROMINATION OF
FLUORINE-CONTAINING OLEFINS



ABSTRACT : PROBLEM TO BE SOLVED: To provide a method by which the bromination of a fluorine-containing olefin is performed without using light while suppressing byproduct.

SOLUTION: Fluorine-containing olefins of the formula [R1 is F, CF₃, CHF₂, CH₂F, CF₂R₅ or CHFR₅; R2, R3 and R4 are each the same or different F, H or R6; R5 and R6 are each the same or different lower alkyl group (having a substituent)], [e.g. 3,3,3-trifluoropropene] is brominated to produce a fluorine-containing brominated hydrocarbons. A metal powder such as antimony or a Lewis acid is allowed to coexist with the reaction system.

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